

- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
  2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
  3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
  4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
  5. TN, TT AND IT POWER DISTRIBUTION SYSTEMS ARE SUPPORTED. CORNER(LINE) GROUNDING IS NOT SUPPORTED.
  6. SINGLE FEED KIT IS PRE-INSTALLED WITH THE UPS. THE SAME MUST BE PRESENT AS IS FOR THIS CONFIGURATION.
  7. FOR SKU#s, CURRENT DATA AND RECOMMENDED OVER CURRENT PROTECTION DETAILS REFER TO SHEET-6.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

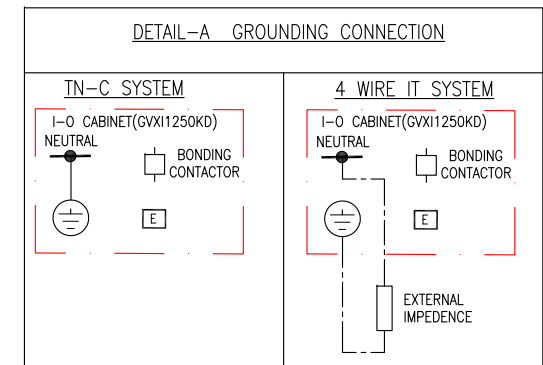
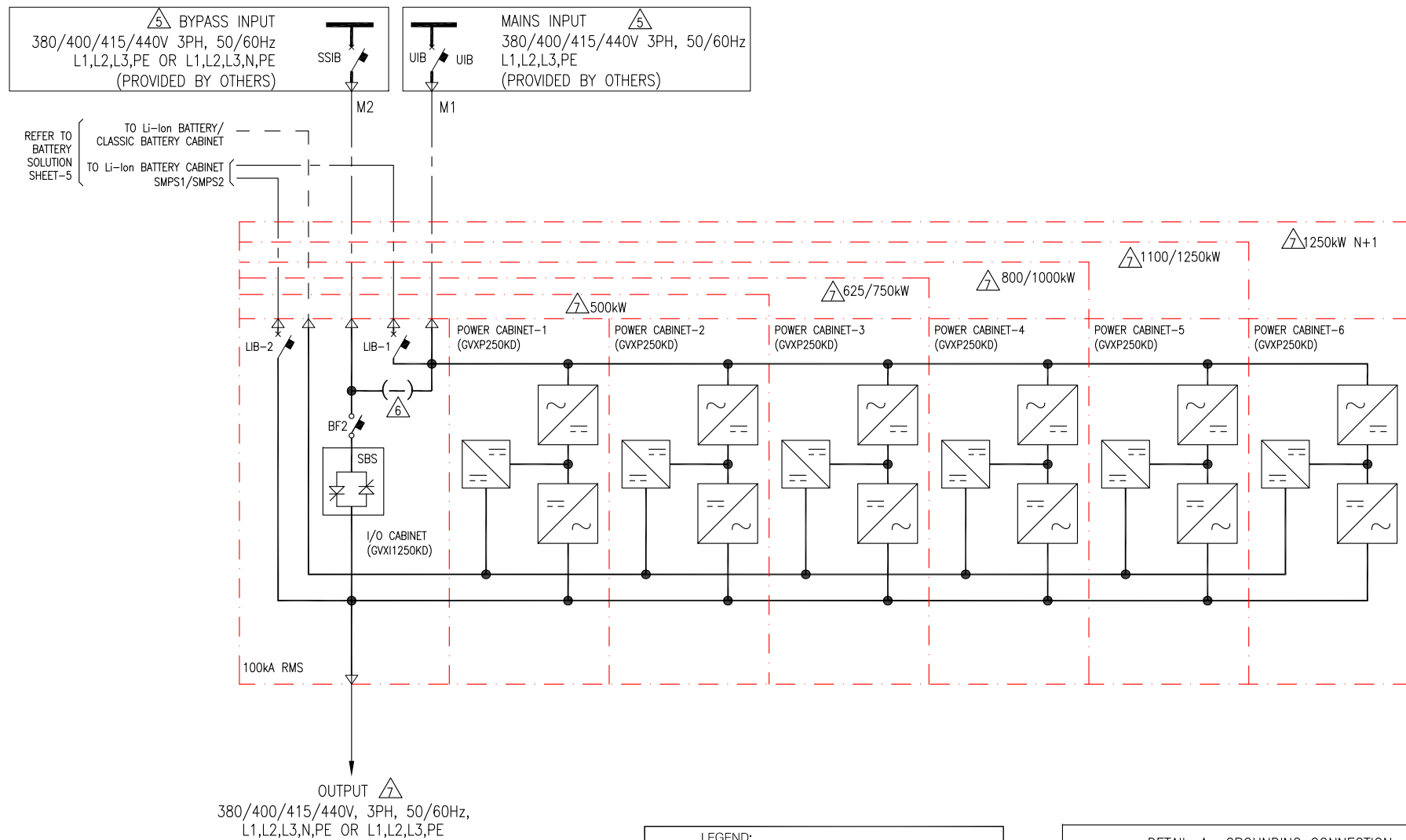
TITLE: GALAXY VX  
Input:380/400/415/440V AC 3PH 50/60Hz DUAL FEED  
Output:380/400/415/440V AC 3PH 50/60Hz 500-1250KVA  
1 MOD UPS WITH Li-Ion BATTERY/CBC BATTERY  
SYSTEM ONE LINE DIAGRAM

PROJECT: DRAWINGS SHEET 1 OF 6

DWG NO: GVX500K1250NHS-SD

DRAWN BY: BALA 12-MAR-20  
ENGINEER: K T 19-MAY-20  
APPROVED BY: K T 19-MAY-20

REV. 0  
ANGLE  
PROJECTION  
N.A



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Output:380/400/415/440V AC 3PH 50/60Hz 500-1250kVA  
1 MOD UPS WITH Li-Ion BATTERY/CBC BATTERY  
SYSTEM ONE LINE DIAGRAM

**PROJECT:** DRAWINGS **SHEET** 2 OF 6

**DWG NO:** GVX500K1250NHS-SD

**DRAWN BY:** BALA 12-MAR-20

**ENGINEER:** K T 19-MAY-20

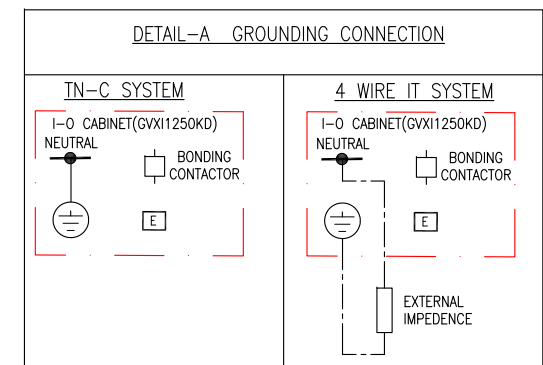
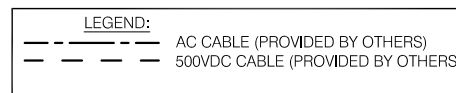
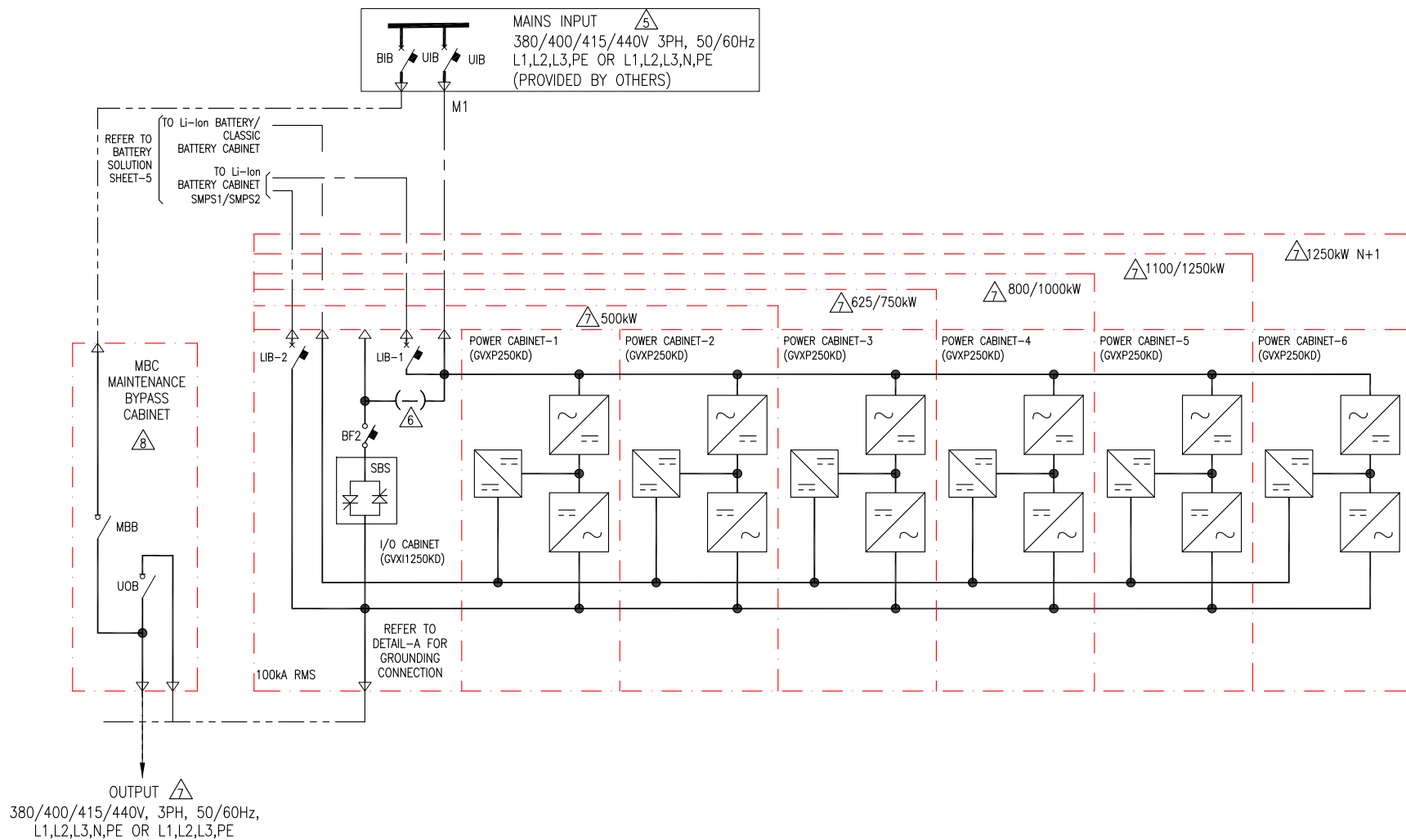
**APPROVED BY:** K T 19-MAY-20

**REV.** 0

**ANGLE**

**PROJECTION**

**N.A.**



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Input:380/400/415/440V AC 3PH 50/60Hz DUAL FEED  
Output:380/400/415/440V AC 3PH 50/60Hz 500-1250KVA  
1 MOD UPS w MBC & Li-Ion BATTERY/CBC BATTERY  
SYSTEM ONE LINE DIAGRAM

**PROJECT:** DRAWINGS **SHEET** 3 OF 6

**DWG NO:** GVX500K1250NHS-SD

**DRAWN BY:** BALA 12-MAR-20

**ENGINEER:** K T 19-MAY-20

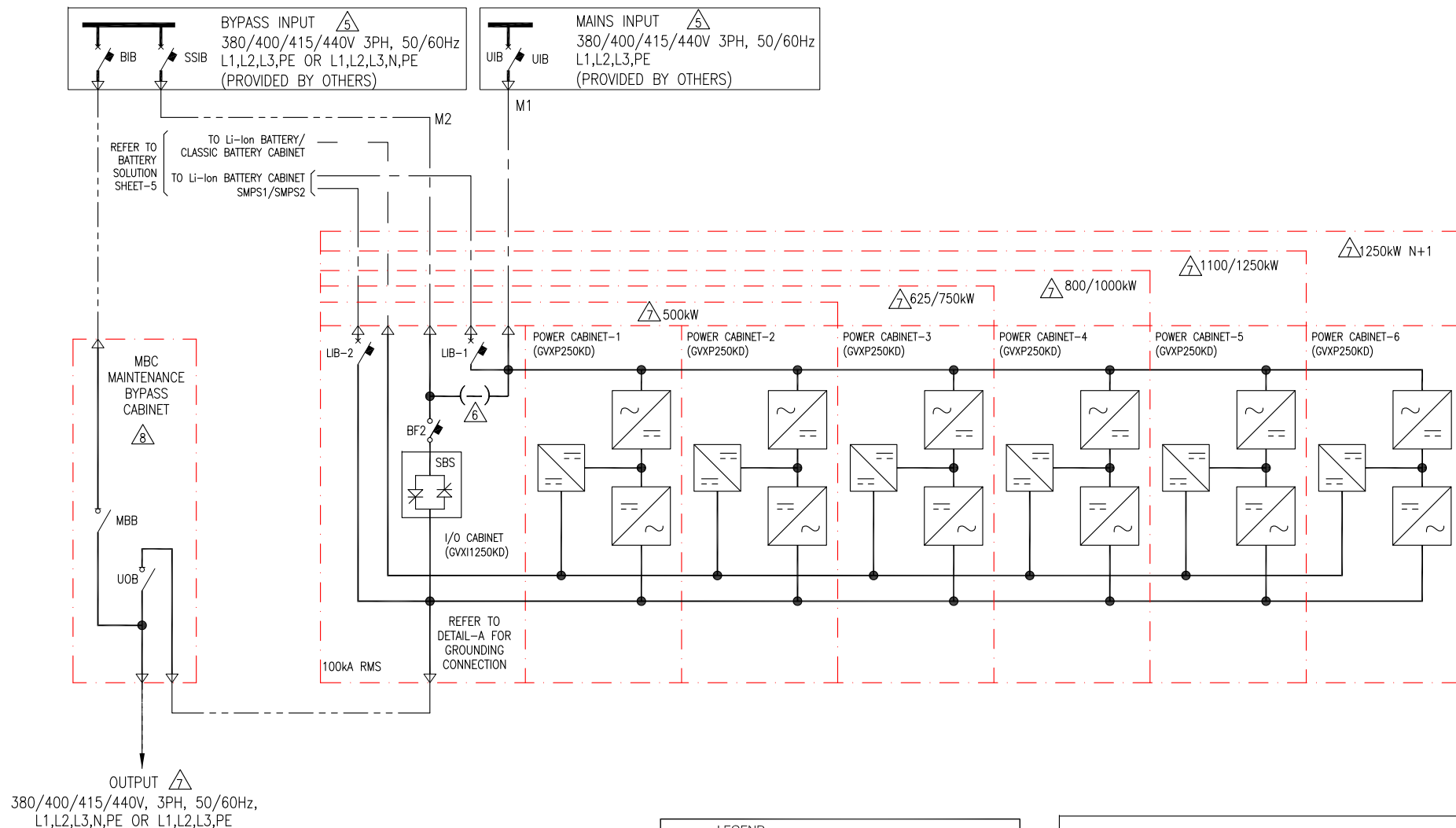
**APPROVED BY:** K T 19-MAY-20

**REV.** 0

**ANGLE**

**PROJECTION**

**N.A.**



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Output:380/400/415/440V AC 3PH 50/60Hz 500-1250KVA  
1 MOD UPS w MBC & Li-Ion BATTERY/CBC BATTERY  
SYSTEM ONE LINE DIAGRAM

**PROJECT:** DRAWINGS **SHEET** 4 OF 6

**DWG NO:** GVX500K1250NHS-SD

**DRAWN BY:** BALA 12-MAR-20

**ENGINEER:** K T 19-MAY-20

**APPROVED BY:** K T 19-MAY-20

**REV.** 0

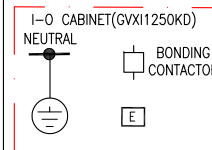
**ANGLE**

**PROJECTION**

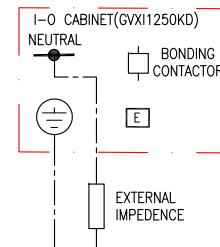
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#### DETAIL-A GROUNDING CONNECTION

##### TN-C SYSTEM



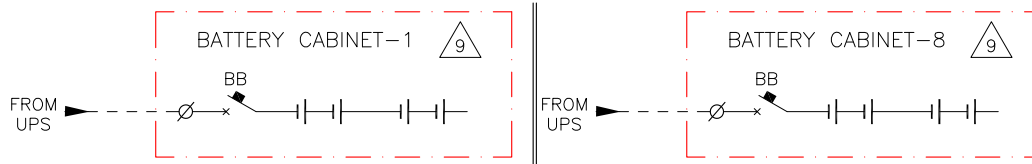
##### 4 WIRE IT SYSTEM



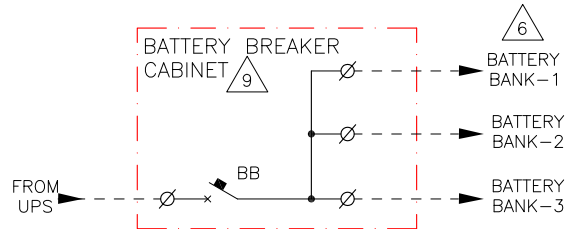
## CLASSIC BATTERY CABINET(CBC) CONFIGURATION

CONNECTIONS FOR CABINETS- 2 TO 7  
SAME AS CABINETS 1&8

5



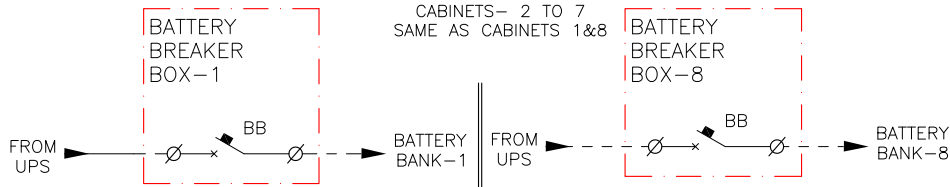
## BATTERY BREAKER CABINET(BBC) CONFIGURATION



## BATTERY BREAKER BOX(BBB) CONFIGURATION

7

CONNECTIONS FOR  
CABINETS- 2 TO 7  
SAME AS CABINETS 1&8



**LEGEND:**  
--- AC CABLE (PROVIDED BY OTHERS)  
--- 500VDC CABLE (PROVIDED BY OTHERS)

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4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
- △5. CONFIGURATION APPLICABLE FOR 6, 7 OR 8 NUMBER OF BATTERY STRINGS..
- △6. USE OF BBC IS MANDATORY IF NUMBER OF BATTERY STRINGS ARE 3 OR LESS.
- △7. CONFIGURATION APPLICABLE IF NUMBER OF BATTERY STRINGS ARE BETWEEN 4 AND 8.  
BATTERY BREAKER RATING (PER STRING) IS 1000A IF NUMBER OF BATTERY STRINGS ARE FROM 4 OR 5.  
BATTERY BREAKER RATING (PER STRING) IS 600A IF NUMBER OF BATTERY STRINGS ARE 6, 7 OR 8.
- △8. BACK FEED PROTECTION "BF2" BUILT INTO UPS MODULE.
- △9. SKUs ARE ETO (ENGINEER TO ORDER) ITEMS.
- △10. REFER TO SHEET-6 FOR APPLICABLE NUMBER OF Li-Ion BATTERY RACKS FOR VARIOUS UPS RATINGS.

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Input:380/400/415/440V AC 3PH 50/60Hz DUAL FEED  
Output:380/400/415/440V AC 3PH 50/60Hz 500-1250KVA  
Li-Ion BATTERY/CBC BATTERY-BATTERY SOLUTION  
SYSTEM ONE LINE DIAGRAM

**PROJECT:** DRAWINGS **SHEET** 5 OF 6

**DWG NO:** GVX500K1250NHS-SD

**DRAWN BY:** BALA 12-MAR-20

**ENGINEER:** K T 19-MAY-20

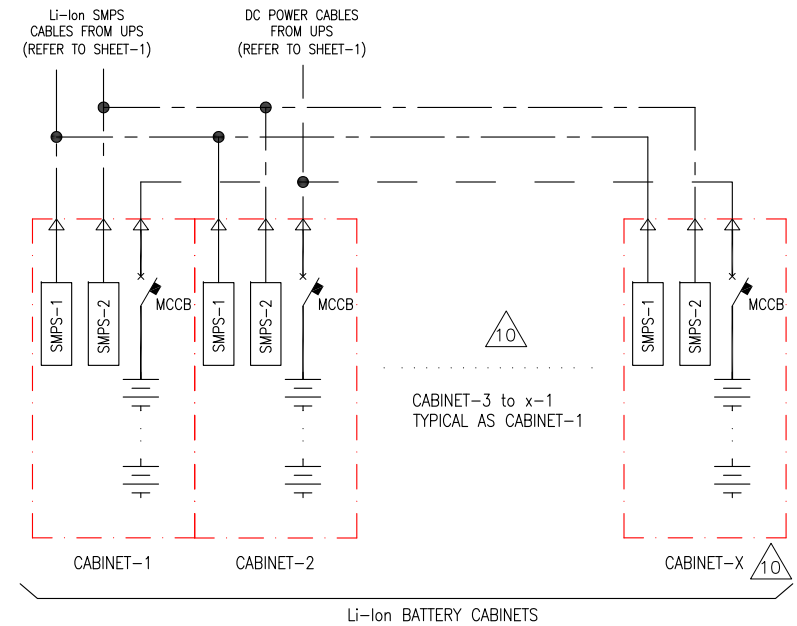
**APPROVED BY:** K T 19-MAY-20

**REV.** 0

**ANGLE**

**PROJECTION**

**N.A.**



GALAXY VX 500-1250KW 380/400/415V AC 380/400/415/440V AC OUT UPS WITH 1250KW IN-OUT CABINET AND BATTERIES SYSTEM SITE PLANNING DATA

MAINS INPUT (SINGLE MAINS): 380/400/415/440V AC, 60HZ 3PH, 3 OR 4 WIRE+G BYPASS INPUT: 380/400/415/440V AC, 60HZ, 3PH, 3 OR 4 WIRE+G OUTPUT: 380/400/415/440V AC, 60HZ, 3PH, 3 OR 4 WIRE+G  
MAINS INPUT (DUAL MAINS): 380/400/415/440V AC, 60HZ 3PH, 3 WIRE+G NOMINAL DC VOLTAGE: 480V DC (LI-ION BATTERY / CLASSIC BATTERY CABINET(ENGINEER TO ORDER))

UPS RATING (kW)	EXPANDABLE UP TO (kW)	REDUNDANCY RATING (kW)	UPS SKU NUMBER	APPLICABLE CLASSIC BATTERY CABINET	APPLICABLE MAINTENANCE BYPASS PANEL SKUs	NOMINAL MAINS INPUT CURRENT (A) @380/400/ 415V AC	MAXIMUM MAINS INPUT CURRENT(A) @380/400/ 415V AC	BYPASS INPUT CURRENT(A) @380/400/ 415V AC	UPS / SYSTEM OUTPUT CURRENT (A) @380/400/ 415V AC	BATTERY CURRENT (A DC)	
										@FULL LOAD CURRENT AND NOMINAL BATTERY VOLTAGE	@FULL LOAD CURRENT AND MINIMUM BATTERY VOLTAGE
500	500	N A	GVX500K500NHS	ENGINEER TO ORDER ITEM (CONTACT SCHNEIDER ELECTRIC FOR DETAILS)	ENGINEER TO ORDER ITEM (CONTACT SCHNEIDER ELECTRIC FOR DETAILS)	800/760/731/685	886/851/819/767	767/729/703/663	760/722/696/656	1090	1362
	500	250	GVX750K500NHS			800/760/731/685	886/851/819/767	767/729/703/663	760/722/696/656	1090	1362
	750	N A	GVX500K750NHS			800/760/731/685	886/851/819/767	767/729/703/663	760/722/696/656	1090	1362
	1000		GVX500K1000NHS			800/760/731/685	886/851/819/767	767/729/703/663	760/722/696/656	1090	1362
	1250		GVX500K1250NHS			800/760/731/685	886/851/819/767	767/729/703/663	760/722/696/656	1090	1362
625	625		GVX625K625NHS			1001/950/914/853	1107/1063/1024/956	959/911/878/826	950/902/870/820	1362	1703
	1000		GVX625K1000NHS			1001/950/914/853	1107/1063/1024/956	959/911/878/828	950/902/870/820	1362	1703
	750		GVX750K750NHS			1201/1139/1097/1029	1328/1276/1229/1153	1151/1093/1054/994	1140/1083/1043/984	1634	2043
750	750	250	GVX1000K750NHS			1201/1139/1097/1029	1328/1276/1229/1153	1151/1093/1054/994	1140/1083/1043/984	1634	2043
	1000	N A	GVX750K1000NHS			1201/1139/1097/1029	1328/1276/1229/1153	1151/1093/1054/994	1140/1083/1043/984	1634	2043
	1250		GVX750K1250NHS			1201/1139/1097/1029	1328/1276/1229/1153	1151/1093/1054/994	1140/1083/1043/984	1634	2043
	800		GVX800K800NHS			1281/1215/1170/1098	1417/1361/1311/1230	1228/1166/1124/1060	1216/1155/1113/1050	1743	2179
1000	1000		GVX1000K1000NHS			1601/1519/1463/1370	1771/1702/1638/1534	1535/1458/1405/1325	1519/1443/1391/1312	2179	2724
	1000	250	GVX1250K1000NHS			1601/1519/1463/1370	1771/1702/1638/1534	1535/1458/1405/1325	1519/1443/1391/1312	2179	2724
	1250	N A	GVX1000K1250NHS			1601/1519/1463/1370	1771/1702/1638/1534	1535/1458/1405/1325	1519/1443/1391/1312	2179	2724
1100	1100		GVX1100K1100NHS			1761/1671/1609/1510	1948/1872/1802/1691	1688/1604/1546/1458	1671/1588/1530/1443	2397	2996
	1100	250	GVX1500K1100GS			1761/1671/1609/1510	1948/1872/1802/1691	1688/1604/1546/1458	1671/1588/1530/1443	2397	2996
1250	1250	N A	GVX1250K1250NHS			2001/1899/1828/1716	2214/2127/2048/1922	1918/1822/1757/1657	1899/1804/1739/1640	2724	3405
	1250	250	GVX1500K1250NHS			2001/1899/1828/1716	2214/2127/2048/1922	1918/1822/1757/1657	1899/1804/1739/1640	2724	3405

RECOMMENDED UPSTREAM OVERCURRENT PROTECTION DEVICE RATINGS

UPS RATING	RECOMMENDED OVER CURRENT PROTECTION I <sub>r</sub> RATING (A)											
	MAINS INPUT				BYPASS INPUT				OUTPUT			
	@380V	@400V	@415V	@440V	@380V	@400V	@415V	@440V	@380V	@400V	@415V	@440V
500	1000*				800**	800***	800*	800*	800**	800***	800*	800*
625	1250*				1000**	1000***	1000*	1000*	1000**	1000***	1000*	1000*
750	1600*			1250****	1250***	1250*	1000****	1250***	1250*	1250*	1000****	2500
800	1600*				1250****	1250***	1250*	1250*	1250****	1250***	1250*	2500
1000	2000*				1600**	1600***	1600*	1600*	1600**	1600**	1600*	3300
1100	2000**			2000***	2000*	2000*	1600**	1600***	2000*	2000*	1600***	3300
1250	2500*				2000**	2000***	2000*	2000*	2000**	2000***	2000*	4000

\* LONG-TIME SETTING (I<sub>r</sub>) = 0.9  
\*\* LONG-TIME SETTING (I<sub>r</sub>) = 0.98  
\*\*\* LONG-TIME SETTING (I<sub>r</sub>) = 0.95  
\*\*\*\* LONG-TIME SETTING (I<sub>r</sub>) = 1.0

③ LI-ION BATTERY RACK (SKU# LIBATSMGGIEC) APPLICABILITY FOR VARIOUS UPS RATINGS	
UPS RATING (kW)	MINIMUM – MAXIMUM NUMBER OF RACKS
500	3 – 5
625	3 – 7
750	4 – 8
800	5 – 8
1000	5 – 8
1100	6 – 7
1250	6 – 7

③

③ FOR FURTHER DETAILS REFER TO  
Li-Ion BATTERY CABINET DRAWING:- "LIBATSMGGIEC –  
Li-Ion BATTERY RACK TYPE G-IEC"

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"LIBATSMGGIEC – LI-ION BATTERY RACK TYPE G-IEC".

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**Electric**

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Output:380/400/415/440V AC 3PH 50/60Hz 500-1250KVA  
1 MOD UPS WITH Li-Ion BATTERY/CBC BATTERY  
SITE PLANNING DATA

PROJECT: DRAWINGS SHEET 6 OF 6

DWG NO:	GVX500K1250NHS-SD		REV.	2
DRAWN BY:	BALA	22-JUN-20	ANGLE	
ENGINEER:	K T	22-JUN-20	PROJECTION	
APPROVED BY:	K T	22-JUN-20	N.A	